



State Transportation Commission

January 21, 2021

Director Paul C. Ajegba, P.E.

Today's Topics

- 2020 Historic Year
- 2020 Project Lettings/Rebuilding Michigan
- Midland Flooding

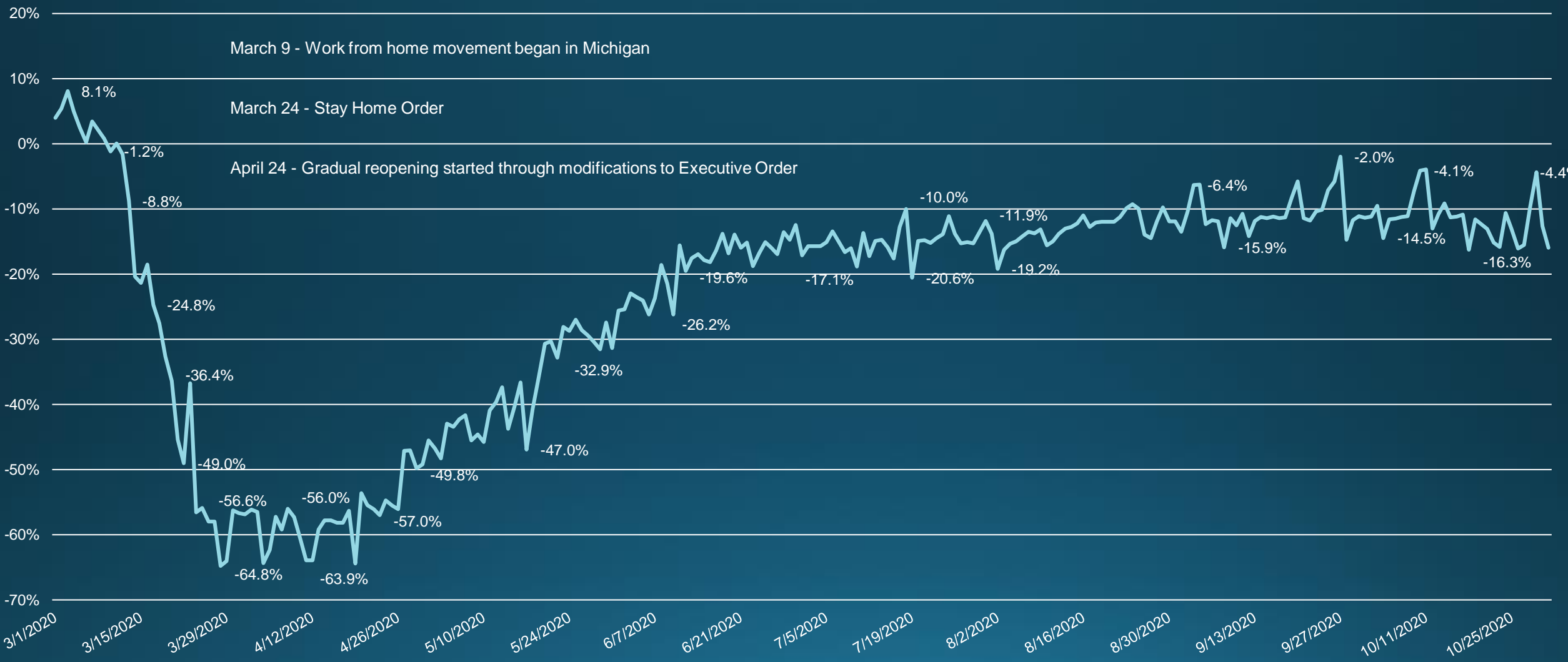
A microscopic view of cells and coronavirus particles. The cells are shown in shades of blue and green, with some appearing as clusters and others as individual cells. The coronavirus particles are spherical with a distinct outer shell and a darker core, scattered throughout the image. The background is a deep blue gradient.

「COVID-19

CORONAVIRUS DISEASE」

Change in Statewide Daily Traffic Volumes

2019 to 2020



Source: MDOT Bureau of Transportation Planning - data from 108 continuous count stations around Michigan

Michigan State Police ticket driver going 180 mph on I-75 in Monroe County

-Detroit Free Press

Michigan State Police ticketed a driver for going **110 mph over the speed limit.**

Police stopped the driver on southbound I-75 — a 70 mph highway — about 11:45 p.m. April 19 near Sigler Road in Monroe County's Berlin Township, said MSP First District Lt. Brian Oleksyk.

It's just one example of an increase in high-speed driving amid the novel coronavirus pandemic, Oleksyk said. Though police are limiting traffic stops right now out of concern for the spread of COVID-19, troopers are forced to make a stop when someone goes that fast, Oleksyk said. The driver puts themselves, everybody else on the road, and the officer trying to make the stop in danger, he said.

"If there was a crash, to me, there's only one outcome at that high of speeds, and that's death," he said.

2020 Work Zone Worker Fatalities

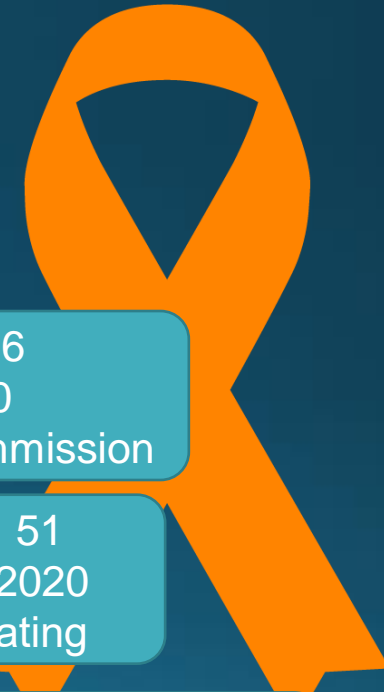


Jeremy Zeitz, 40
September 24, 2020
Anlaan

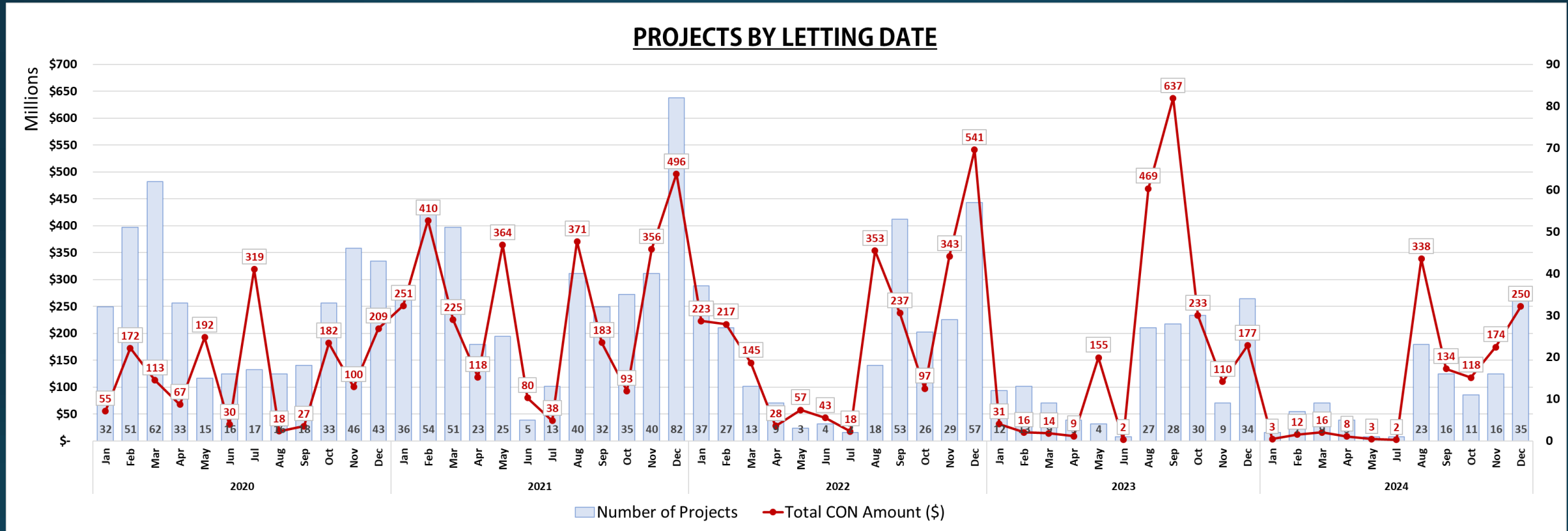
Zachary Morisette, 26
September 21, 2020
Macomb County Road Commission

Allen Craig, 51
October 22, 2020
Dan's Excavating

Nicholas Andres Sada, 23
Davyon Desmon-Aereailes Rose, 23
November 7, 2020
CD Hughes



Balanced Lettings



2021 Projected Lettings

07-Jan-21

Letting Month	Projects*	Construction Costs (\$ Millions)*
July, 2020	18	\$270.75
August, 2020	18	\$16.63
September, 2020	19	\$24.81
October, 2020	35	\$157.48
November, 2020	46	\$121.80
December, 2020	38	\$174.37
January, 2021	31	\$202.50
February, 2021	43	\$324.13
March, 2021	53	\$200.70
April, 2021	20	\$107.28
May, 2021	24	\$321.89
June, 2021	5	\$71.43
Total	350	\$1,993.77

** This information represents the total number of projects and dollars scheduled to be let in a given month. Therefore the sum of values will not directly correlate to program year budgets, and this information is always subject to change.*

Lettings by Region

(values in millions)

Trunkline By Region	FY 2017	FY 2018 *	FY 2019	FY 2020	2021**	Region Total	Five Year Ave.
Bay	\$99.13	\$149.43	\$127.72	\$137.98	\$291.63	\$805.89	\$161.18
Grand	\$95.68	\$125.15	\$115.99	\$107.96	\$204.80	\$649.58	\$129.92
Metro	\$387.81	\$450.73	\$240.92	\$151.55	\$583.90	\$1,814.91	\$362.98
North	\$59.55	\$55.15	\$82.86	\$109.50	\$106.33	\$413.39	\$82.68
Southwest	\$46.83	\$61.77	\$120.46	\$402.49	\$255.45	\$887.00	\$177.40
Superior	\$69.30	\$78.39	\$84.34	\$111.14	\$102.20	\$445.37	\$89.07
University	\$152.90	\$171.20	\$191.13	\$96.81	\$449.45	\$1,061.49	\$212.30
Program Total	\$911.20	\$1,091.82	\$963.42	\$1,117.43	\$1,993.77	\$6,077.64	\$1,215.53

**I-75 Design-Build jobs includes JN 201437 (\$281.9M), but not the DBFOM Job (201438)*

*** Please note - 2021 Amounts are Programmed Values to Date. The year encompasses data from July of 2020 to June of 2021 to align with Construction year emphasis.*

I-75

State Line to Erie, Monroe County

- Rebuilding of 5.06 miles of I-75 from the Ohio State line north to Erie Road, including bridge replacements, geometric improvements, median concrete barrier, and drainage improvements.
- Total Cost: \$115 million
- Work Completed in 2019: NB pavement, new structures, part width build of large box culverts



I-75 Segment 2

- Design-Build Project: 8.6 mi of design and build involving rebuilding and realignment of I-75 mainline and ramps including building a future High Occupancy Vehicle lane, replacement of (10) structures and rehabilitation of (1) structure, (2) Diverging Diamond Interchanges (DDI) and High Friction Surface Treatment in the cities of Troy and Madison Heights, Oakland County.
- Current Contract Amount: \$235,024,525.42
- Substantial Completion: April 2021



I-196

- Rebuild I-196 between Maryland Avenue and M-44 (East Beltline Avenue) and build two new bridges to reconfigure the I-96/I-196/M-44 interchange. The new configuration will create dedicated exit lanes from eastbound I-96 and I-196 to East Beltline Avenue.
- Total Cost: Approximately \$44 Million





MODERNIZATION PROJECT

Second Avenue over I-94 Bridge Build

- Network Arch Bridge
- Cost: \$25.6 Million
- 245 ft long by 96.5 ft wide by 44.5 ft tall
- Bridge will include 2 driving lanes with bike lanes, sidewalks, lighting, and planter boxes
- Currently being built off-site (WSU Parking Lot) Will be moved later into place (SPMT) in Spring 2021
- Target Completion in Fall 2021





MODERNIZATION PROJECT

East Grand Boulevard over I-94 Bridge Replacement

Cost: \$18 Million

Bridge will include 4 driving lanes with center median island, sidewalk, lighting, and planter boxes



Mt. Elliot Avenue over I-94 Bridge Replacement

- Cost: \$23 Million
- Bridge will include 4 driving lanes and 2 center turn lanes with sidewalks and lighting

Milwaukee Avenue over I-75 Bridge Replacement

- Cost: \$8 Million
- Bridge will include 2 driving lanes, sidewalks, and lighting



Success Stories

Contract 77023-80912: I-69; 11.04 miles of concrete pavement, St. Clair County

Design Consultants: MDOT Metro Region Design (Road) and MDOT Central Office Design (Bridge)

Contractor: Dan's Excavating

Original Contract Value: \$47,365,476.87

Final Contract Value: \$45,595,248.73

Savings: 3.74 percent

Contract 65041-125856: I-75, Design-Build Project, 6.81 Miles of pavement, Ogemaw County

Design Consultants: Ajax Paving and Bergmann Associates

Contract Dev't: AECOM (Owner's Rep) and MDOT

Original Contract Value: \$21,837,388.38

Final Contract Value: \$21,465,021.32

Savings: 1.71 percent

Success Stories

Contract 63174-115576-2: I-75, Phase 1, Design-Build Project, 3.08 miles pf pavement, Oakland County

Design Contractors: Dan's Excavating and AECOM

Contract Dev't.: WSP (Owner's Rep) and MDOT

Original Contract Value: \$90,870,500.00

Final Contract Value: \$88,739,727.89

Savings: 2.34 percent

Contract 41133-119012: US-131, 3.64 miles HMA reconstruction and bridge work, Kent County

Design Contractor: Benesch

Contractor: DJ McQuestion & Sons, Inc.

Original Contract Value: \$21,706,135.32

Final Contract Value: \$21,342,036.66

Savings: 1.68 percent

Success Stories

Contract 58152-110616: I-75, 5.6 miles of concrete pavement, Monroe County

Design Contractors: HNTB Road Lead, Bergmann Associates Bridge Lead

Contractor: Dan's Excavating

Original Contract Value: \$101,790,104.57

Final Contract Value: \$99,428,293.17

Savings: 2.32 percent

Contract 73111-106858: I-75, 3.75 miles of concrete pavement, Saginaw County

Design Contractors: MDOT Bay Region Design (Road) and Tetra Tech (Bridge)

Contractor: Ajax Paving

Original Contract Value: \$45,970,244.59

Final Contract Value: \$45,576,853.52

Savings: 0.86 percent

Success Stories

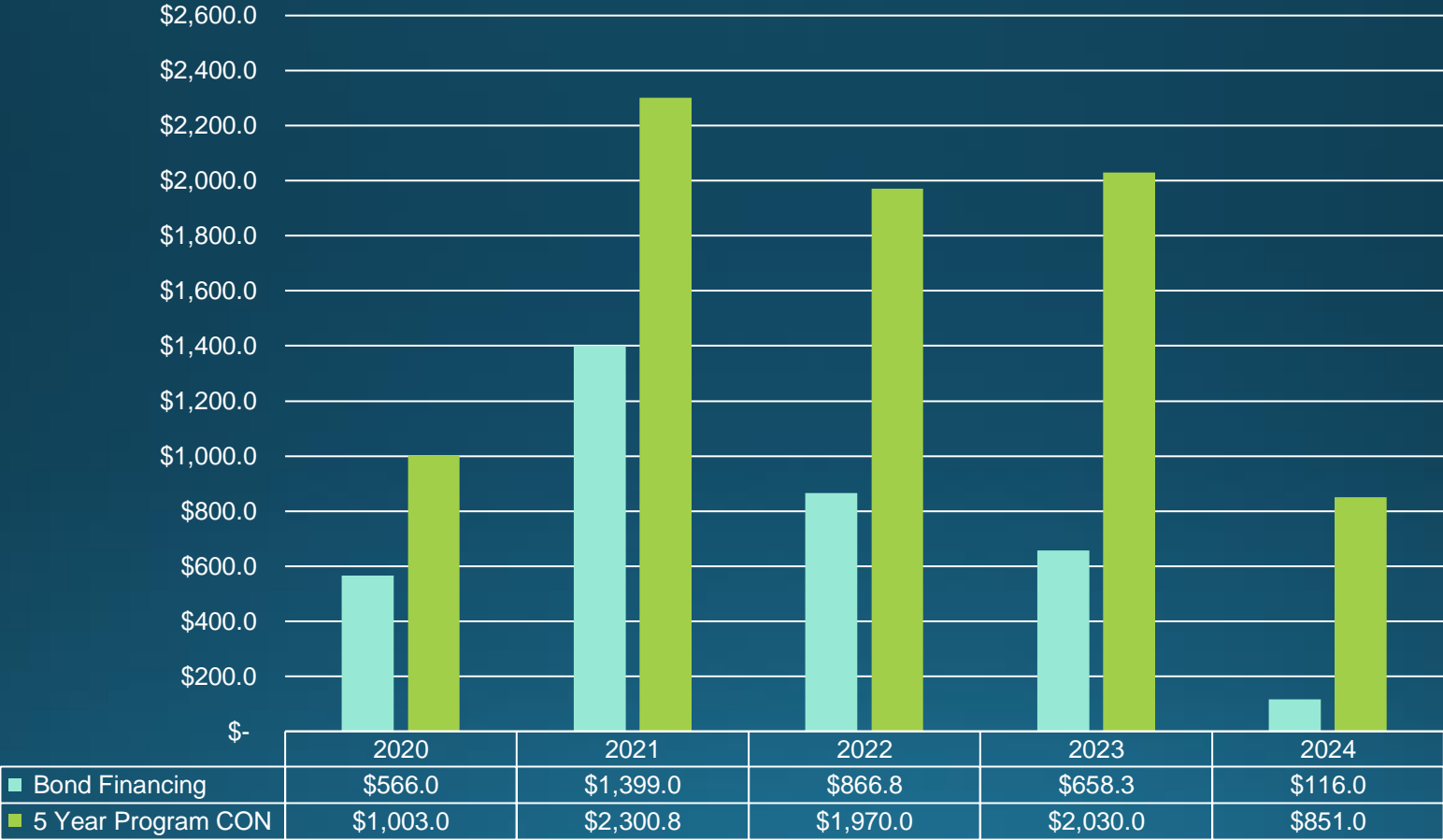
Contract 23081-130052, I-496 Design – Bid – Build, 5.5 mile reconstruction
Design: Internal MDOT Design (road) RS Engineering (bridge) Fishbeck (culvert)
Contractors: D.J. McQuestion & Sons
Original Contract Value: \$52,232,908.33
Final Contract Value: \$47,817,642.22
Savings: 8.45 percent

Contract 82024-113553, I-94 Design – Bid – Build, Bridge reconstruction and rehab,
Cass Ave, Grand River and Third Street over I-94
Design: Cass Ave – AECOM, Grand River – Tetra Tech, Third St– In House
Contractors: Toebe Construction
Original Contract Value: \$32,858,656.28
Final Contract Value: \$29,862,539.01
Savings: 9.12 percent

Rebuilding Michigan Bond Financing & Five-Year Highway Program Construction



By Fiscal Year

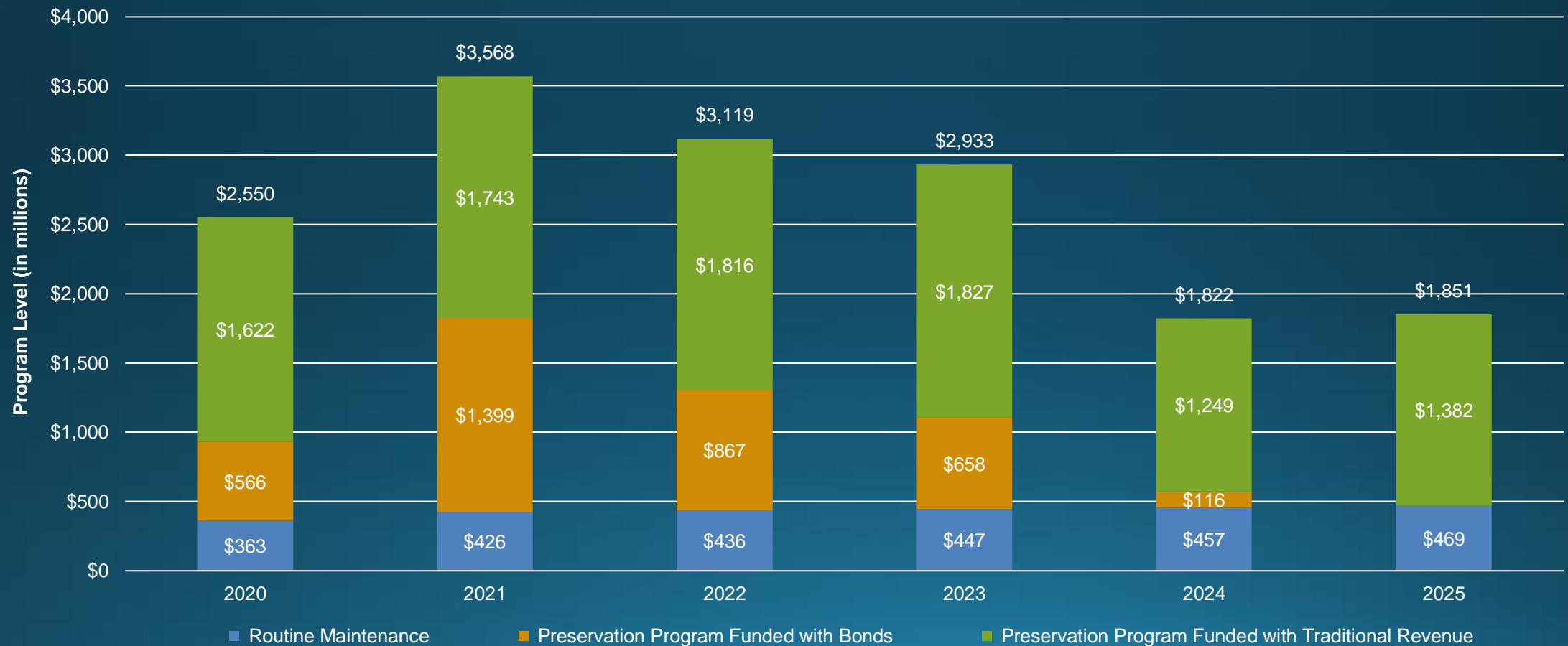


■ Bond Financing ■ 5 Year Program CON

Rebuilding Michigan

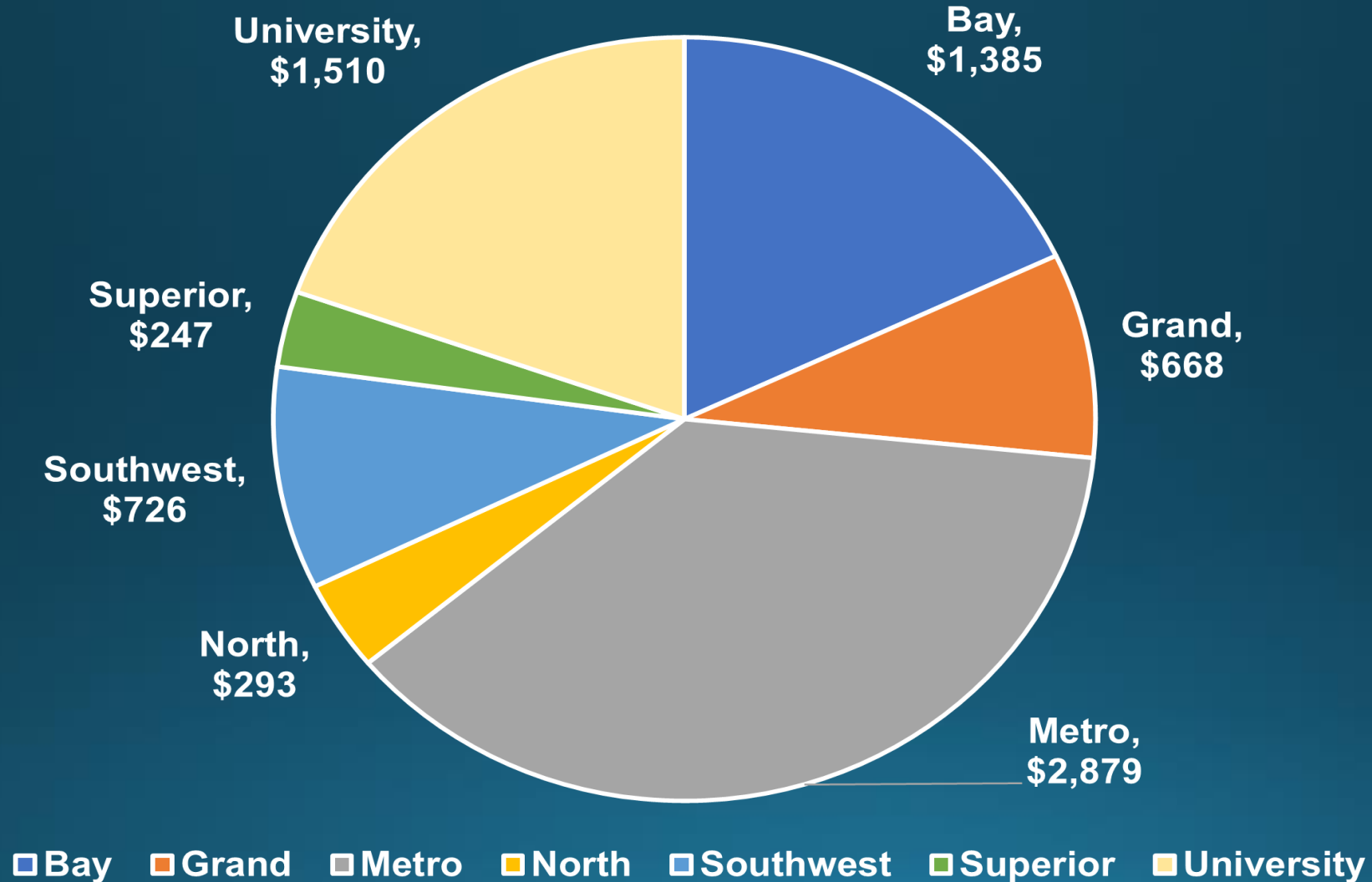


Highway Program Investment FY2020-2025 (in millions)



*This slide shows investment by obligation year while the previous slide shows construction phase investment only

Total 2021-2025 Five Year Construction Plan \$7.70B





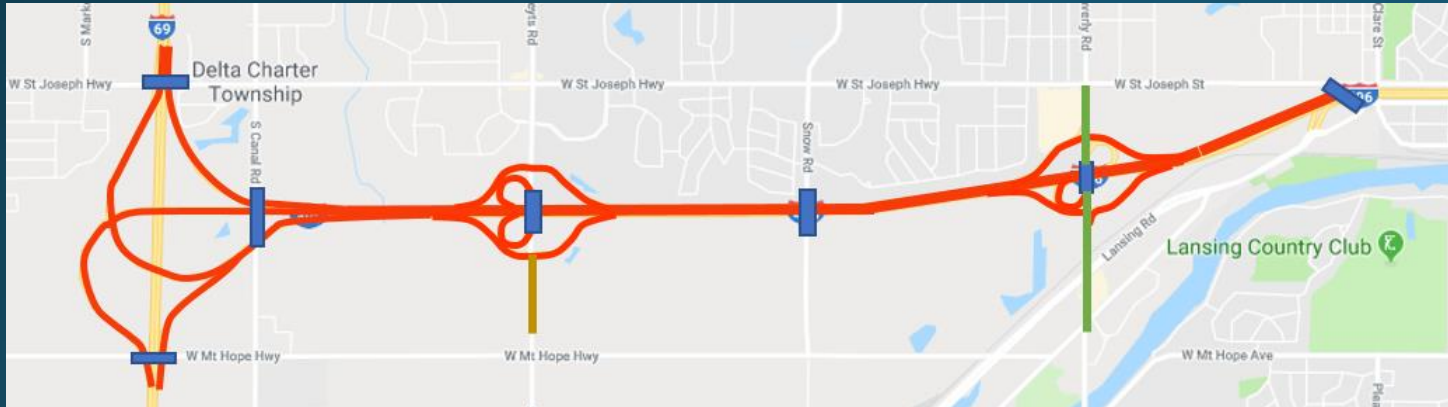
FY20 Projects Utilizing Bond Funds

Job # or package name	Region	Major Route (Report)	Location (Report)	Engineer Estimate	Low Bid	Savings*	Percentage
130052	University	I-496	I-96 to Lansing Road	\$52,232,908.33	\$47,817,642.22	-\$4,415,266.11	-8.45%
DB I-69	SW/Uni.	I-69	I-69 Corridor	\$214,129,045.00	\$210,180,169.69	-\$3,948,875.31	-1.84%
I-94/US-31	Southwest	I-94 & US-31	Berrien County	\$133,130,299.00	\$121,483,900.00	-\$11,646,399.00	-8.75%
I-94 Jackson	University	I-94	I-94 Near Jackson	\$97,350,893.92	\$117,137,913.01	\$19,787,019.09	20.33%
					Total Savings*	-\$223,521.33	

** Savings relates to all JNs within the contract, not just bond savings*

I-496

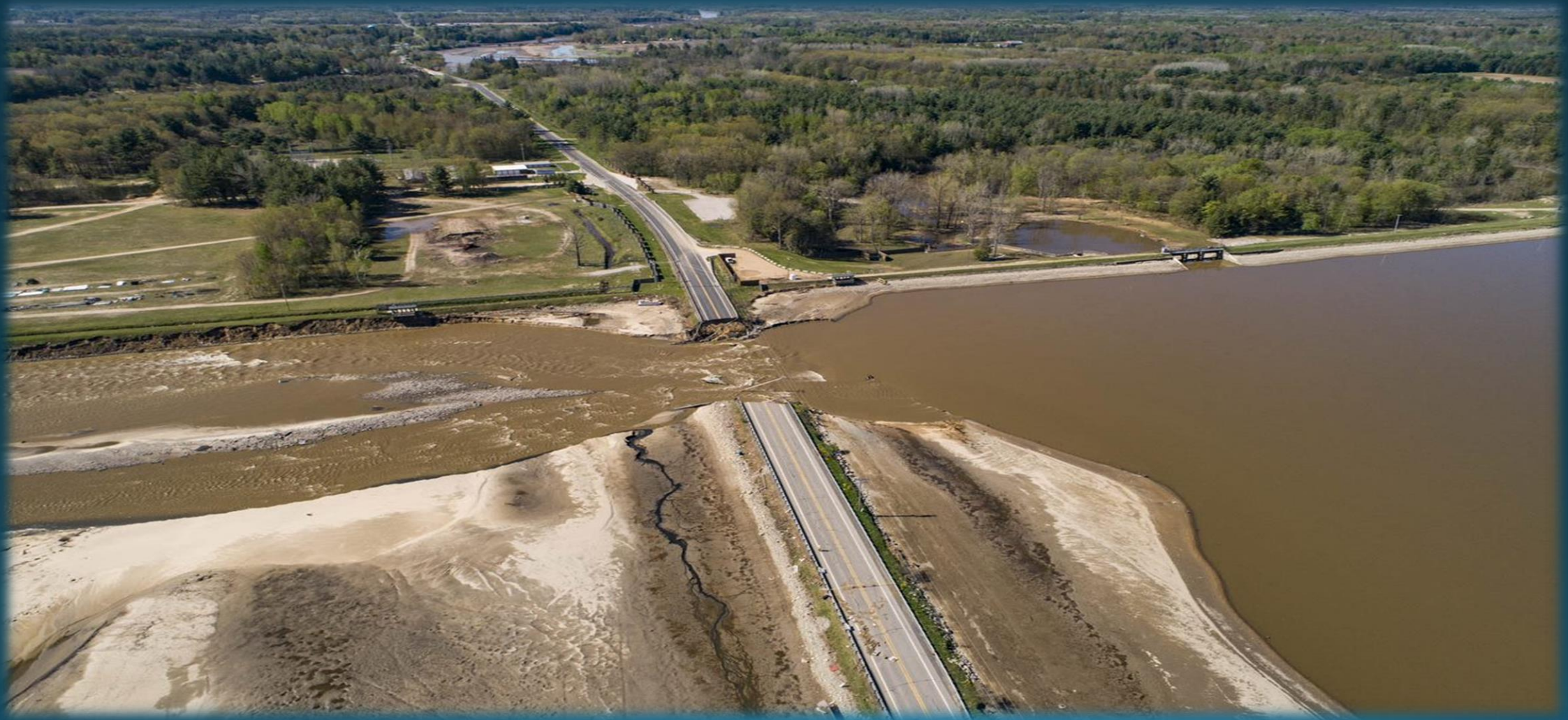
- 7.2 Miles of full depth rebuilding of the roadway (includes ramps) with preventative maintenance bridge work on 14 bridges and completing operational improvements to the interchanges.
- Contractor:
- Total cost: \$60 Million
- Open to traffic on November 11, 2020



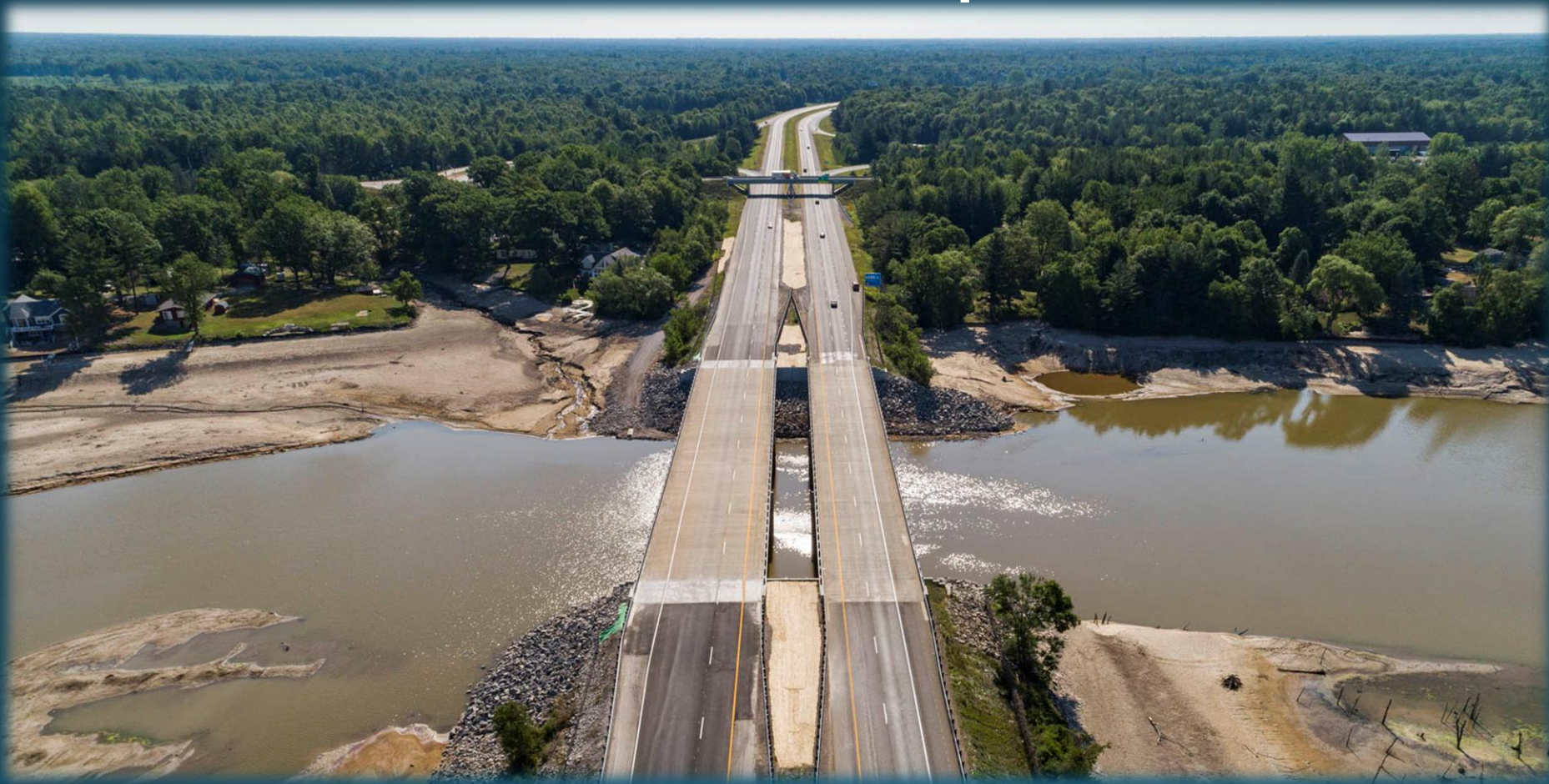
Midland County Dam Failures and Flooding



M-30 at Edenville



US-10 Completion



"Following this historic flooding, I asked MDOT to make reopening roads and bridges a top priority," said Governor Gretchen Whitmer. "Given the importance of US-10 to the region's economic vitality, I want to thank Director Paul Ajegba, his team and the workers who repaired the bridge so quickly."

Midland Contractors

Cleared Debris

Contractor: Fisher Contracting

Duration: 5 weeks

Cost: \$1,419,043 (at Tittabawassee River and Wixom Lake)

US-10 at Sanford Lake

Contractor: Fisher Contracting

Duration: 5 weeks (8.5 weeks for weir portion only)

Cost: \$2,185,301 (includes sheeting weir for headcutting mitigation)

M-30 at Tittabawassee River

Contractor: Fisher Contracting

Duration: 7 weeks

Cost: \$1,139,555

Questions?